

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07H 21/04, C07K 14/705, C12N 15/09, 15/63, C12Q 1/68		A1	(11) International Publication Number: WO 00/11015																								
			(43) International Publication Date: 2 March 2000 (02.03.00)																								
(21) International Application Number: PCT/US99/19351		(74) Agent: SPRUNGER, Suzanne, A.; American Home Products Corporation, Patent & Trademark Dept. - 2B, One Campus Drive, Parsippany, NJ 07054 (US).																									
(22) International Filing Date: 24 August 1999 (24.08.99)																											
(30) Priority Data: <table border="0"><tr><td>60/097,638</td><td>24 August 1998 (24.08.98)</td><td>US</td></tr><tr><td>60/097,659</td><td>24 August 1998 (24.08.98)</td><td>US</td></tr><tr><td>60/099,618</td><td>9 September 1998 (09.09.98)</td><td>US</td></tr><tr><td>60/102,092</td><td>28 September 1998 (28.09.98)</td><td>US</td></tr><tr><td>60/109,978</td><td>25 November 1998 (25.11.98)</td><td>US</td></tr><tr><td>60/113,645</td><td>23 December 1998 (23.12.98)</td><td>US</td></tr><tr><td>60/113,646</td><td>23 December 1998 (23.12.98)</td><td>US</td></tr><tr><td>09/379,246</td><td>23 August 1999 (23.08.99)</td><td>US</td></tr></table>		60/097,638	24 August 1998 (24.08.98)	US	60/097,659	24 August 1998 (24.08.98)	US	60/099,618	9 September 1998 (09.09.98)	US	60/102,092	28 September 1998 (28.09.98)	US	60/109,978	25 November 1998 (25.11.98)	US	60/113,645	23 December 1998 (23.12.98)	US	60/113,646	23 December 1998 (23.12.98)	US	09/379,246	23 August 1999 (23.08.99)	US	(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
60/097,638	24 August 1998 (24.08.98)	US																									
60/097,659	24 August 1998 (24.08.98)	US																									
60/099,618	9 September 1998 (09.09.98)	US																									
60/102,092	28 September 1998 (28.09.98)	US																									
60/109,978	25 November 1998 (25.11.98)	US																									
60/113,645	23 December 1998 (23.12.98)	US																									
60/113,646	23 December 1998 (23.12.98)	US																									
09/379,246	23 August 1999 (23.08.99)	US																									
(71) Applicant: ALPHAGENE, INC. [US/US]; 260 West Cummings Park, Woburn, MA 01801 (US).		Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>																									
(72) Inventors: VALENZUELA, Dario; 260 West Cummings Park, Woburn, MA 01801 (US). YUAN, Olive; 260 West Cummings Park, Woburn, MA 01801 (US). HOFFMAN, Heidi; 260 West Cummings Park, Woburn, MA 01801 (US). HALL, Jeff; 260 West Cummings Park, Woburn, MA 01801 (US). RAPIEJKO, Peter; 260 West Cummings Park, Woburn, MA 01801 (US).																											
(54) Title: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM																											
(57) Abstract Novel polynucleotides and the proteins encoded thereby are disclosed.																											

ID AAA23459 standard; cDNA; 3098 BP.
 XX
 DT 19-JUN-2000 (first entry) w
 XX
 DE cDNA encoding human secreted protein vp17_1, SEQ ID NO:73. V
 XX
 OS Homo sapiens.
 XX
 PN WO200011015-A1.
 XX
 PD 02-MAR-2000.
 XX
 PF 24-AUG-1999; 99WO-US19351.
 XX
 PR 24-AUG-1998; 98US-0097638.
 PR 24-AUG-1998; 98US-0097659.
 PR 09-SEP-1998; 98US-0099618.
 PR 28-SEP-1998; 98US-0102092.
 PR 25-NOV-1998; 98US-0109978.
 PR 23-DEC-1998; 98US-0113645.
 PR 23-DEC-1998; 98US-0113646.
 PR 23-AUG-1999; 99US-0379246.
 XX
 PA (ALPH-) ALPHAGENE INC.
 XX
 PI Valenzuela D, Yuan O, Hoffman H, Hall J, Rapiejko P;
 XX
 DR WPI; 2000-224657/19.
 DR P-PSDB; AAY95017.
 XX
 PT New secreted or transmembrane proteins and polynucleotides encoding
 PT them, useful for treating neurodegenerative disorders, autoimmune
 PT diseases and cancer -
 XX
 PS Claim 82; Page 333; 357pp; English.
 XX
 SQ Sequence 3098 BP; 749 A; 869 C; 815 G; 665 T; 0 other;

Query Match 46.8%; Score 343; DB 21; Length 3098;
 Best Local Similarity 99.4%; Pred. No. 3.2e-121;
 Matches 613; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 8 tgggtcaacctggcagtcagcaggtcttggccaacaagagccacctctgggtggaggagg 67
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 277 tgggtcaacctggcagtcagcaggtcttggccaacaagagccacctctgggtggaggagg 336

Qy 68 aggtctggcgatggagatctacctctccctgggagtgctggccctcggcacgttggtccc 127
 |||
 Db 337 aggtctggcgatggagatctacctctccctgggagtgctggccctcggcacgttggtccc 396

Qy 128 tgctggccgtgacctcactgccgtccattgcaaactcgctcaactggagggagttcagct 187
 |||
 Db 397 tgctggccgtgacctcactgccgtccattgcaaactcgctcaactggagggagttcagct 456

Qy 188 tcgttcagtcctcactgggctttgtggccctcgctgctgagcacactgcacacgctcacct 247
 |||
 Db 457 tcgttcagtcctcactgggctttgtggccctcgctgctgagcacactgcacacgctcacct 516

Qy 248 acggctggacccgcgccttcgaagaga-ccgctacaagttctacctgcctccaccttca 306
 |||
 Db 517 acggctggacccgcgccttcgaggagagccgctacaagttctacctgcctccaccttca 576

Qy 307 cgctcacgctgctggtgccctgcgtcgctcatcctggccaaagccctgtttctcctgcct 366
 |||
 Db 577 cgctcacgctgctggtgccctgcgtcgctcatcctggccaaagccctgtttctcctgcct 636

Qy 367 gcatcagccgcagactccccaggatccggagagctgggagagggagagcaccatcaagt 426
 |||
 Db 637 gcatcagccgcagactcgccaggatccggagaggtgggagagggagagcaccatcaagt 696

Qy 427 tcacgctgcccacagaccacgccctggccgagaagacgagccacgtatgaggtgcctgcc 486
 |||
 Db 697 tcacgctgcccacagaccacgccctggccgagaagacgagccacgtatgaggtgcctgcc 756

Qy 487 ctgggctctggaccccgggcacacgagggacggtgccctgagcccgttaggttttctttt 546
 |||
 Db 757 ctgggctctggaccccgggcacacgagggacggtgccctgagcccgttaggttttctttt 816

Qy 547 cttggtggtgcaaagtgggtataactgtgtgcaaataaggaggtttgaggtccaaattcctg 606
 |||
 Db 817 cttggtggtgcaaagtgggtataactgtgtgcaaataaggaggtttgaggtccaaattcctg 876

Qy 607 ggactcaaattgtatgca 623
 |||
 Db 877 ggactcaaattgtatgca 893